



SEQUENCE LISTING

<110> Hormann, Robert E.
Palli, Subba Reddy
Carlson, Glenn R.
Cress, Dean E.
Dhadialla, Tarlochan S.
Herzig, Ronald P.
Kudla, Arthur J.
Philip, Mohan

<120> Multiple Inducible Gene Regulation System

<130> A01115A

<140> US 09/965,697

<141> 2001-10-02

<150> US 60/237,446

<151> 2000-10-03

<160> 19

<170> PatentIn version 3.3

<210> 1

<211> 1878

<212> DNA

<213> Drosophila melanogaster

<400> 1

ggacctgcgc cacgggtgca agaggagctg tgcctggttt gcggcgacag ggcctccggc	60
taccactaca acgccctcac ctgtgagggc tgcaaggggt tctttcgacg cagcgttacg	120
aagagcgccg tctactgctg caagttcggg cgcgcctgcg aaatggacat gtacatgagg	180
cgaaagtgtc aggagtgccg cctgaaaaag tgcctggccg tgggtatgcg gccggaatgc	240
gtcgtcccg agaaccaatg tgcgatgaag cggcgcgaaa agaaggccca gaaggagaag	300
gacaaaatga ccacttcgcc gagctctcag catggcggca atggcagctt ggcctctggt	360
ggcggccaag actttgttaa gaaggagatt cttgacctta tgacatgcga gccgccccag	420
catgccacta ttccgctact acctgatgaa atattggcca agtgtcaagc gcgcaatata	480
ccttccttaa cgtacaatca gttggccgtt atatacaagt taatttggtta ccaggatggc	540
tatgagcagc catctgaaga ggatctcagg cgtataatga gtcaaccgga tgagaacgag	600
agccaaacgg acgtcagctt tcggcatata accgagataa ccatactcac ggtccagttg	660
attgttgagt ttgctaaagg tctaccagcg ttacaaaga taccacagga ggaccagatc	720
acgttactaa aggcctgctc gtcggaggtg atgatgctgc gtatggcacg acgctatgac	780
cacagctcgg actcaatatt cttcgcgaaat aatagatcat atacgcggga ttcttacaaa	840
atggccggaa tggctgataa cattgaagac ctgctgcatt tctgccgcca aatgttctcg	900
atgaagggtg acaacgtcga atacgcgctt ctactgccca ttgtgatctt ctcggaccgg	960
ccgggccttg agaaggccca actagtcgaa gcgatccaga gctactacat cgacacgcta	1020
cgcatttata tactcaaccg cactgcggc gactcaatga gcctcgtctt ctacgcaaag	1080
ctgctctcga tcctcaccga gctgcgtacg ctgggcaacc agaacgccga gatgtgtttc	1140

tcactaaagc	tcaaaaaccg	caaaactgccc	aagtctctcg	aggagatctg	ggacgttcat	1200
gccatccccg	catcgggtcca	gtcgcacctt	cagattaccc	aggaggagaa	cgagcgtctc	1260
gagcgggctg	agcgtatgcg	ggcatcgggt	gggggcgcc	ttaccgccgg	cattgattgc	1320
gactctgcct	ccacttcggc	ggcggcagcc	gcggcccagc	atcagcctca	gcctcagccc	1380
cagccccaac	cctcctccct	gacccagaac	gattcccagc	accagacaca	gccgcagcta	1440
caacctcagc	taccacctca	gctgcaaggt	caactgcaac	cccagctcca	accacagctt	1500
cagacgcaac	tccagccaca	gattcaacca	cagccacagc	tccttcccgt	ctccgctccc	1560
gtgcccgcct	ccgtaaccgc	acctggttcc	ttgtccgcgg	tcagtacgag	cagcgaatac	1620
atgggcggaa	gtgcggccat	aggacccatc	acgccggcaa	ccaccagcag	tatcacgggt	1680
gccgttaccg	ctagctccac	cacatcagcg	gtaccgatgg	gcaacggagt	tggagtcggt	1740
gttggggtgg	gcggcaacgt	cagcatgtat	gcgaacgccc	agacggcgat	ggccttgatg	1800
ggtgtagccc	tgcattcgca	ccaagagcag	cttatcgggg	gagtggcggt	taagtcggag	1860
cactcgacga	ctgcatag					1878

<210> 2
 <211> 441
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<400> 2						
atgaagctac	tgtcttctat	cgaacaagca	tgcgatattt	gccgacttaa	aaagctcaag	60
tgctccaaag	aaaaaccgaa	gtgcgccaag	tgtctgaaga	acaactggga	gtgtcgctac	120
tctcccaaaa	ccaaaaggtc	tccgctgact	agggcacatc	tgacagaagt	ggaatcaagg	180
ctagaaagac	tggaacagct	atttctactg	atttttcctc	gagaagacct	tgacatgatt	240
ttgaaaatgg	attctttaca	ggatataaaa	gcattgttaa	caggattatt	tgtacaagat	300
aatgtgaata	aagatgccgt	cacagataga	ttggcttcag	tggagactga	tatgcctcta	360
acattgagac	agcatagaat	aagtgcgaca	tcatcatcgg	aagagagtag	taacaaagggt	420
caaagacagt	tgactgtatc	g				441

<210> 3
 <211> 750
 <212> DNA
 <213> *cytomegalovirus*

<400> 3						
tcaatattgg	ccattagcca	tattattcat	tggttatata	gcataaatca	atattggcta	60
ttggccattg	catacgttgt	atctatatca	taatattgtac	atttatattg	gctcatgtcc	120
aatatgaccg	ccatgttggc	attgattatt	gactagttat	taatagtaat	caattacggg	180
gtcattagtt	catagcccat	atatggagtt	ccgcgttaca	taacttacgg	taaatggccc	240
gcctggctga	ccgcccacg	acccccgcc	attgacgtca	ataatgacgt	atgttcccat	300
agtaacgcca	atagggactt	tccattgacg	tcaatgggtg	gagtatttac	ggtaaactgc	360
ccacttggca	gtacatcaag	tgtatcatat	gccaaagtccg	ccccctattg	acgtcaatga	420

cggtaaatgg	cccgccctggc	attatgccca	gtacatgacc	ttacgggact	ttcctacttg	480
gcagtacatc	tacgtattag	tcatcgctat	taccatgggtg	atgcgggtttt	ggcagtacac	540
caatgggcgt	ggatagcggg	ttgactcacg	gggatttcca	agtctccacc	ccattgacgt	600
caatgggagt	ttgttttggc	accaaaatca	acggggacttt	ccaaaatgtc	gtaacaactg	660
cgatcgcccc	ccccgttgac	gcaaatgggc	ggtaggcgtg	tacgggtggga	ggcttatata	720
agcagagctc	gttttagtgaa	ccgtcagatc				750

<210> 4
 <211> 1290
 <212> DNA
 <213> Choristoneura fumiferana

<400> 4						
agaagggccc	tgctgaccgt	cagcaagagg	aactgtgtct	ggtatgcggg	gacagagcct	60
ccggatacca	ctacaatgcg	ctcacgtgtg	aagggtgtaa	agggttcttc	agacggagtg	120
ttaccaaaaa	tgcggtttat	at ttgtaaat	tcggtcacgc	ttgcgaaatg	gacatgtaca	180
tgcgacggaa	atgccaggag	tgccgcctga	agaagtgtct	agctgtaggc	atgaggcctg	240
agtgcgtagt	acccgagact	cagtgcgcca	tgaagcggaa	agagaagaaa	gcacagaagg	300
agaaggacaa	actgcctgtc	agcacgacga	cggtggacga	ccacatgccg	cccattatgc	360
agtgtgaacc	tccacctcct	gaagcagcaa	ggattcacga	agtggttcca	aggtttctct	420
ccgacaagct	gttgagagaca	aaccggcgaga	aaaacatccc	ccagttgaca	gcccaaccagc	480
agttccttat	cgccaggctc	atctggtacc	aggacgggta	cgagcagcct	tctgatgaag	540
at ttgaagag	gattacgcag	acgtggcgagc	aagcggacga	tgaaaacgaa	gagttctgaca	600
ctcccttccg	ccagatcaca	gagatgacta	tcctcacggg	ccaacttatc	gtggagttcg	660
cgaagggatt	gccaggggtc	gccaagatct	cgcagcctga	tcaaattacg	ctgcttaagg	720
cttgctcaag	tgaggtaatg	atgctccgag	tcgcgcgacg	atac gatgcg	gcctcagaca	780
gtgttctgtt	cgcgaacaac	caagcgtaca	ctcgcgacaa	ctaccgcaag	gctggcatgg	840
cctacgtcat	cgaggatcta	ctgcacttct	gccggtgcat	gtactctatg	gcgttgagaca	900
acatccatta	cgcgctgctc	acggctgtcg	tcattctttt	tgaccggcca	gggttgagac	960
agccgcaact	ggtggaagaa	atccagcggg	actacctgaa	tacgctccgc	atctatatcc	1020
tgaaccagct	gagcgggtcg	gcgcgttcgt	ccgtcatata	cggcaagatc	ctctcaatcc	1080
tctctgagct	acgcacgctc	ggcatgcaaa	actccaacat	gtgcatctcc	ctcaagctca	1140
agaacagaaa	gctgccgcct	ttcctcgagg	agatctggga	tgtggcagga	catgtcgcac	1200
acccaaccgc	cgcctatctc	gagtccccca	cgaatctcta	gcccctgcgc	gcacgcatcg	1260
ccgatgccgc	gtccggccgc	gctgctctga				1290

<210> 5
 <211> 606
 <212> DNA
 <213> Escherichia coli

<400> 5
atgaaagcgt taacggccag gcaacaagag gtgtttgatc tcatccgtga tcacatcagc 60
cagacaggta tgccgccgac gcgtgcggaa atcgcgcagc gtttgggggt ccgttcccca 120
aacgcggctg aagaacatct gaaggcgctg gcacgcaaag gcgttattga aattgtttcc 180
ggcgcatac gcgggattcg tctgttgagc gaagaggaag aagggttgcc gctggtaggt 240
cgtgtggctg ccggtgaacc acttctggcg caacagcata ttgaagggtca ttatcagggtc 300
gatccttcct tattcaagcc gaatgctgat ttctgtctgc gcgtcagcgg gatgtcgatg 360
aaagatatcg gcattatgga tgggtgactg ctggcagtg ataaaaactca ggatgtacgt 420
aacggtcagg tcgttgtcgc acgtattgat gacgaagtta ccgttaagcg cctgaaaaaa 480
cagggcaata aagtcgaact gttgccagaa aatagcgagt ttaaaccaat tgctcgtagat 540
cttcgtcagc agagcttcac cattgaaggg ctggcggttg gggttattcg caacggcgcac 600
tggtcg 606

<210> 6
<211> 711
<212> DNA
<213> Artificial Sequence

<220>
<223> Chimeric MmRXR/LmUSP-EF

<400> 6
gccaacgagg acatgcctgt agagaagatt ctggaagccg agcttgctgt cgagcccaag 60
actgagacat acgtggaggc aaacatgggg ctgaacccca gctcaccaa tgaccctgtt 120
accaacatct gtcaagcagc agacaagcag ctcttctactc ttgtggagtg ggccaagagg 180
atccccactc tttctgagct gcccctagac gaccagggtca tcctgctacg ggcaggctgg 240
aacgagctgc tgatgcctc cttctccac cgctccatag ctgtgaaaga tgggattctc 300
ctggccaccg gcctgcacgt acaccggaac agcgtcaca gtgctggggg gggcgccatc 360
tttgacaggg tgctaacaga gctggtgtct aagatgcgtg acatgcagat ggacaagact 420
gaacttggct gcttgcgac tgttattctt ttcaatccag aggtgagggg tttgaaatcc 480
gcccaggaag ttgaacttct acgtgaaaaa gtatatgccg ctttggaaga atatactaga 540
acaacacatc ccgatgaacc aggaagattt gcaaaacttt tgcttcgtct gccttcttta 600
cgttccatag gccttaagtg tttggagcat ttgtttttct ttcgccttat tggagatgtt 660
ccaattgata cgttcctgat ggagatgctt gaatcacctt ctgattcata a 711

<210> 7
<211> 681
<212> DNA
<213> herpes simplex virus 7

<400> 7
atgggccccta aaaagaagaa gcgtaagggtc aaagcggttaa cggccaggct tgaattaatt 60
ccgggaggaa tgaaagcggt aacggccagg caacaagagg tgtttgatct catccgtgat 120

cacatcagcc agacaggtat gccgccgacg cgtgcgga aa tcgcgagcg tttggggttc	180
cgttcccca acgcggctga aga acatctg aaggcgctgg cacgcaaagg cgttattgaa	240
attgtttccg gcgcatcacg cgggattcgt ctgttgacagg aagaggaaga agggttgccg	300
ctggtaggtc gtgtggctgc cgggtgaacca cttctggcgc aacagcatat tgaaggatcat	360
tatcagggtcg atccttcctt attcaagccg aatgctgatt tcctgctgcg cgtcagcggg	420
atgtcgatga aagatatcgg cattatggat ggtgacttgc tggcagtgca taaaactcag	480
gatgtacgta acggtcaggt cgttgctgca cgtattgatg acgaagttac cgtaagcgc	540
ctgaaaaaac agggcaataa agtcgaactg ttgccagaaa atagcgagtt taaaccaatt	600
gtcgtagatc ttcgtcagca gagcttcacc attgaagggc tggcggttg gggtattcgc	660
aacggcgact ggctggaatt c	681

<210> 8
 <211> 117
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<400> 8	
gcggagtact gtcctccgag cggagtactg tcctccgagc ggagtactgt cctccgagcg	60
gagtactgtc ctccgagcgg agtactgtcc tccgagcggg gtactgtcct ccgagcg	117

<210> 9
 <211> 138
 <212> DNA
 <213> *Mus musculus*

<400> 9	
atcttttgtt gactaagtca ataatcagaa tcagcagggtt tggagtcagc ttggcagggg	60
tcagcagcct ggggttggag gaggggggtat aaaagcccct tcaccaggag aagccgtcac	120
acagatccac aagctcct	138

<210> 10
 <211> 1560
 <212> DNA
 <213> *Homo sapiens*

<400> 10	
atgctgctgc tgctgctgct gctgggcctg aggctacagc tctccctggg catcatccca	60
gttgaggagg agaaccggga cttctggaac cgcgaggcag ccgaggccct gggtgccgcc	120
aagaagctgc agcctgcaca gacagccgcc aagaacctca tcattctcct gggcgatggg	180
atgggggtgt ctacggtgac agctgccagg atcctaaaag ggcagaagaa ggacaaactg	240
gggcctgaga taccctggc catggaccgc ttcccatatg tggctctgtc caagacatac	300
aatgtagaca aacatgtgcc agacagtggg gccacagcca cggcctacct gtgcgggggtc	360
aagggcaact tccagaccat tggcttgagt gcagccgccc gctttaacca gtgcaacacg	420
acacgcggca acgaggatcat ctccgtgatg aatcgggcca agaaagcagg gaagtcagt	480
ggagtggtaa ccaccacacg agtgcagcac gcctcgccag ccggcaccta cgccacacg	540

gtgaaccgca actggtactc ggacgccgac gtgcctgcct cgccccgcca ggaggggtgc	600
caggacatcg ctacgcagct catctccaac atggacattg acgtgacccct aggtggaggc	660
cgaaagtaca tgtttcgcat gggaaccca gaccctgagt acccagatga ctacagccaa	720
ggctgggacca ggctggacgg gaagaatctg gtgcaggaat ggctggcgaa gcgccagggt	780
gcccgggtatg tgtggaaccg cactgagctc atgcaggctt ccctggaccc gtctgtgacc	840
catctcatgg gtctctttga gcctggagac atgaaatacg agatccaccg agactccaca	900
ctggacccct ccctgatgga gatgacagag gctgccctgc gcctgctgag caggaacccc	960
cgcggttct tcctcttcgt ggaggggtgg cgcatcgacc atggtcatca tgaaagcagg	1020
gcttaccggg cactgactga gacgatcatg ttcgacgacg ccattgagag ggcgggccag	1080
ctcaccagcg aggaggacac gctgagcctc gtcactgccg accactccca cgtcttctcc	1140
ttcgagggt accccctgcg agggagctcc atcttcgggc tggcccctgg caaggcccgg	1200
gacaggaagg cctacacggt cctcctatac ggaaacggtc caggctatgt gctcaaggac	1260
ggcgcccggc cggtatgttac cgagagcgag agcgggagcc ccgagtatcg gcagcagtca	1320
gcagtgcacc tggacgaaga gaccacgca ggcgaggacg tggcggtgtt cgcgcgcggc	1380
ccgcaggcgc acctggttca cggcgtgcag gagcagacct tcatagcgca cgtcatggcc	1440
ttcgccgcct gcctggagcc ctacaccgcc tgcgacctgg cgccccccgc cggcaccacc	1500
gacgccgcgc acccggtta ctctagagtc gggcgggccg gccgcttcga gcagacatga	1560

<210> 11
 <211> 206
 <212> DNA
 <213> Escherichia coli

<400> 11	
aagcttgcat gcctgcaggt ccaggtccat atctaatttt acctcgactg ctgtatataa	60
aaccagtgggt tatatgtaca gtactgctgt atataaaacc agtggttata tgtacagtac	120
gtcgactgct gtatataaaa ccagtgggtta tatgtacagt actgctgtat ataaaaccag	180
tggttatatg tacagtacgt cgactc	206

<210> 12
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>	
<223> Synthetic TATAA	
<400> 12	
tagagggtat ataatggatc cccgggtacc	30

<210> 13
 <211> 1705
 <212> DNA
 <213> Photinus pyralis

<400> 13	
atggaagacg ccaaaaacat aaagaaaggc ccggcgccat tctatcctct agaggatgga	60

accgctggag agcaactgca taaggctatg aagagatacg ccctggttcc tggaacaatt	120
gcttttacag atgcacatat cgaggtgaac atcacgtacg cggaatactt cgaaatgtcc	180
gttcggttgg cagaagctat gaaacgatat gggctgaata caaatcacag aatcgtcgta	240
tgcagtgaaa actctcttca attctttatg ccggtgttgg gcgcgttatt tatcggagtt	300
gcagttgcgc ccgcgaacga cttttataat gaacgtgaat tgctcaacag tatgaacatt	360
tcgcagccta ccgtagtggt tgtttccaaa aaggggttgc aaaaaatttt gaacgtgcaa	420
aaaaaattac caataatcca gaaaattatt atcatggatt ctaaaacgga ttaccagggga	480
tttcagtcga tgtacacggt cgtcacatct catctacctc ccggttttaa tgaatacgat	540
tttgtaccag agtcctttga tcgtgacaaa acaattgcac tgataatgaa ttcctctgga	600
tctactgggt tacctaaggg tgtggccctt ccgcatagaa ctgcctgcgt cagattctcg	660
catgccagag atcctatttt tggcaatcaa atcattccgg atactgcgat tttaagtgtt	720
gttccattcc atcacggttt tggaatgttt actacactcg gatatttgat atgtggattt	780
cgagtcgtct taatgtatag atttgaagaa gagctgtttt tacgatccct tcaggattac	840
aaaattcaaa gtgcgttgct agtaccaacc ctattttcat tcttcgcaa aagcactctg	900
attgacaaat acgatttatc taatttacac gaaattgctt ctgggggcgc acctcttctg	960
aaagaagtcg ggggaagcgt tgcaaacgc ttccatcttc cagggatacg acaaggatat	1020
gggctcactg agactacatc agctattctg attacacccg agggggatga taaaccgggc	1080
gcggtcggtg aagttgttcc attttttgaa gcgaagggtg tggatctgga taccgggaaa	1140
acgctgggcg ttaatcagag aggcgaatta tgtgtcagag gacctatgat tatgtccggt	1200
tatgtaaaca atccggaagc gaccaacgcc ttgattgaca aggatggatg gctacattct	1260
ggagacatag cttactggga cgaagacgaa cacttcttca tagttgaccg cttgaagtct	1320
ttaatataat acaaaggata tcaggtggcc cccgctgaat tggaatcgat attgttacia	1380
cacccaaca tcttcgacgc gggcgtggca ggtcttccc acgatgacgc cggatgaactt	1440
cccgcgccc ttgttgtttt ggagcacgga aagacgatga cggaaaaaga gatcgtggat	1500
tacgtcgcca gtcaagtaac aaccgcgaaa aagttgcgcg gaggagttgt gtttgtggac	1560
gaagtaccga aaggtcttac cggaaaactc gacgcaagaa aaatcagaga gatcctcata	1620
aaggccaaga agggcggaag gtccaaattg taaaatgtaa ctgtattcag cgatgacgaa	1680
attcttagct attgtaatac tctag	1705

<210> 14
 <211> 1073
 <212> DNA
 <213> Choristoneura fumiferana

<400> 14	
cctgagtgcg tagtaccgga gactcagtcg gccatgaagc ggaaagagaa gaaagcacag	60
aaggagaagg acaaactgcc tgtcagcacg acgacggtgg acgaccacat gccgcccatt	120
atgcagtgtg aacctccacc tcctgaagca gcaaggattc acgaagtggg tccaaggttt	180

ctctccgaca agctgttgga gacaaaccgg cagaaaaaca tccccagtt gacagccaac	240
cagcagttcc ttatcgccag gctcatctgg taccaggacg ggtacgagca gccttctgat	300
gaagatttga agaggattac gcagacgtgg cagcaagcgg acgatgaaaa cgaagagtct	360
gacactccct tccgccagat cacagagatg actatcctca cggccaact tatcgtggag	420
ttcggaagg gattgccagg gttcgccaag atctcgagc ctgatcaaatac tacgctgctt	480
aaggcttgct caagtgaggt aatgatgctc cgagtcgcca gatacgatgc ggcctcagac	540
agtgttctgt tcggaacaa ccaagcgtac actcgcgaca actaccgcaa ggctggcatg	600
gcctacgtca tcgaggatct actgcacttc tgccgggtgca tgtactctat ggcgttggag	660
aacatccatt acgcgtgct cacggctgtc gtcattcttt ctgaccggcc agggttggag	720
cagccgcaac tgggtgaaga aatccagcgg tactacctga atacgctccg catctatatc	780
ctgaaccagc tgagcgggtc ggcgcgttcg tccgtcatat acggcaagat cctctcaatc	840
ctctctgagc tacgcacgct cggcatgcaa aactccaaca tgtgcatctc cctcaagctc	900
aagaacagaa agctgccgcc ttctctcgag gagatctggg atgtggcagg acatgtcgca	960
cacccaaccg ccgcctatct cgagtcccc acgaatctct agccccctgcg cgcacgcatc	1020
gccgatgccg cgtccggccg cgctgctctg agaattcgat atcaagcttc tag	1073

<210> 15
 <211> 1109
 <212> DNA
 <213> *Nephotetix cincticeps*

<400> 15	
caggaggagc tctgcctggt gtgcggagac cgagcgtcgg gataccacta caacgctctc	60
acctgcgaag gatgcaagg cttctttcgg aggagtatca ccaaaaacgc agtgtaccag	120
tccaaatacg gcaccaattg tgaaatagac atgtatatgc ggcgcaagtg ccaggagtgc	180
cgactcaaga agtgcctcag tgtagggatg aggccagaat gtgtagtacc tgagtatcaa	240
tgtgccgtaa aaaggaaaga gaaaaagct caaaaggaca aagataaacc tgtctcttca	300
accaatggct cgcctgaaat gagaatagac caggacaacc gttgtgtggt gttgcagagt	360
gaagacaaca ggtacaactc gagtacgcc agtttcggag tcaaaccct cagtccagaa	420
caagaggagc tcatccacag gctcgtctac ttccagaacg agtacgaaca ccctgccgag	480
gaggatctca agcggatcga gaacctcccc tgtgacgacg atgacctgtg tgatgttcgc	540
tacaaacaca ttacggagat cacaatactc acagtccagc tcatcgtgga gtttgcgaaa	600
aaactgcctg gtttcgacaa actactgaga gaggaccaga tcgtgttgct caaggcgtgt	660
tcgagcgagg tgatgatgct gcggatggcg cggaggtagc acgtccagac agactcgatc	720
ctgttcgcca acaaccagcc gtacacgca gagtcgtaca cgatggcagg cgtgggggaa	780
gtcatcgaag atctgctgcg gttcggccga ctcattgtgt ccatgaagggt ggacaatgcc	840
gagtatgctc tgctcacggc catcgtcatc ttctccgagc ggccgaacct ggcggaagga	900
tggaagggtg agaagatcca ggagatctac ctggaggcgc tcaagtccta cgtggacaac	960

cgagtgaaac ctcgcagtcc gaccatcttc gccaaactgc tctccgttct caccgagctg	1020
cgaacactcg gcaaccagaa ctccgagatg tgcttctcgt taaactacgc aaccgcaaac	1080
atgccaccgt tcctcgaaga aatctggga	1109

<210> 16
 <211> 714
 <212> DNA
 <213> Mus musculus

<400> 16	
gccaacgagg acatgcctgt agagaagatt ctggaagccg agcttgctgt cgagcccaag	60
actgagacat acgtggaggc aaacatgggg ctgaacccca gctcaccaaa tgaccctgtt	120
accaacatct gtcaagcagc agacaagcag ctcttctactc ttgtggagtg ggccaagagg	180
atccccact tttctgagct gcccctagac gaccagggtca tcctgctacg ggcaggctgg	240
aacgagctgc tgatgcctc cttctccac cgctccatag ctgtgaaaga tgggattctc	300
ctggccaccg gcctgcacgt acaccggaac agcgctcaca gtgctggggg gggcgccatc	360
tttgacaggg tgctaacaga gctggtgtct aagatgcgtg acatgcagat ggacaagacg	420
gagctgggct gcctgcgagc cattgtcctg ttcaaccctg actctaagg gctctcaaac	480
cctgctgagg tggaggcggt gagggagaag gtgtatgcgt cactagaagc gtactgcaaa	540
cacaagtacc ctgagcagcc gggcagggtt gccaaactgc tgctccgcct gcctgcactg	600
cgttccatcg ggctcaagt cctggagcac ctgttcttct tcaagctcat cggggacacg	660
cccatcgaca ctttcctcat ggagatgctg gaggcaccac atcaagccac ctag	714

<210> 17
 <211> 17
 <212> DNA
 <213> Artificial

<220>
 <223> Response element

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<400> 17	
rrggttcant gacacyy	17

<210> 18
 <211> 13
 <212> DNA
 <213> Artificial

<220>
 <223> Response element

<220>
 <221> misc_feature
 <222> (7)..(7)

<223> n is a, c, g, or t

<400> 18

aggtcanagg tca

13

<210> 19

<211> 15

<212> DNA

<213> Artificial

<220>

<223> Response element

<400> 19

gggttgaatg aattt

15